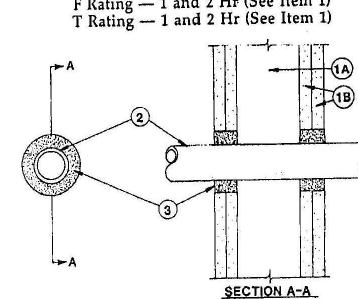
#### **UL DETAIL W-L-2038**

System No. W-L-2038 (Formerly System No. 614) F Rating - 1 and 2 Hr (See Item 1)



1. Wall Assembly - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the fol-

spaced max 24 in. OC.

- lowing construction features: A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and
- B. Gypsum Board\* 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series design in the UL Fire Resistance Directory Max diameter of opening is 4-3/8 in. The hourly F and T ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
- 2. Through Penetrants One nonmetallic pipe, conduit or tubing to be centered within the firestop system. The max diam of the through penetrant and annular space within the firestop system is dependent upon the type of fill material (Item 3). Pipe, conduit or tubing to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes, conduits or tubing may be used:
- A. Polyvinyl Chloride (PVC) Pipe Nom 2 in. diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) piping systems.

  B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 2 in.
- diam (or smaller) SDR17 CPVC pipe for use in closed (process or C. Rigid Nonmetallic Conduit+ - Nom 2 in. diam (or smaller) chedule 40 PVC conduit installed in accordance with Article 347
- of the National Electrical Code (NFPA No. 70). D. Electrical Nonmetallic Tubing (ENT)+ — Nom 1 in. diam (or smaller) PVC tubing installed in accordance with Article 331 of the National Electrical Code (NFPA No. 70).
- 3. Fill, Void or Cavity Material\* Sealant In 2 hr fire rated assemblies, min 1-1/4 in thickness of fill material applied within the annulus, flush with both surfaces of wall. In 1 hr fire rated assemblies, min 5/8 in. thickness of fill material applied within the annulus, on both surfaces of wall. Additional fill material to be installed such that a min 5/8 in. thick crown is formed around the penetrating item and lapping a min 1 in. beyond the periphery of the opening. The max diam of the through penetrant and annular space within the

firestop system is dependent upon the type of fill material as tabulated

Max Diam of Through Penetrant In.

CONSULTANTS:

Nom Annular Space In.

Fill Mtl Type FSP 1100 Putty

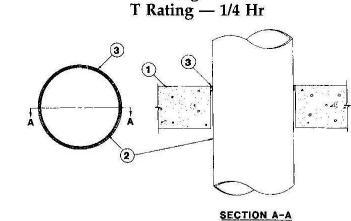
FS 1900 Sealant

W R GRACE & CO - CONN CONSTRUCTION PRODUCTS DIV —FSP 1100 Putty or FS 1900 Sealant. +Bearing the UL Listing Mark \*Bearing the UL Classification Marking

## REFERENCE SYMBOLS ROOM NAME ROOM NAME AND NUMBER (123) DOOR NUMBER DEMOLITION NOTE KEY NOTE WINDOW TYPE GA4 PARTITION TYPE DETAIL CALLOUT -DETAIL NUMBER -SHEET WHERE DETAIL IS DRAWN SECTION CALLOUT -DETAIL NUMBER —SHEET WHERE DETAIL IS DRAWN 10'-6" VERTICAL ELEVATION COLUMN CENTERLINE DESIGNATION MATCHLINE \_\_\_\_\_ EXTERIOR ELEVATION CALLOUT -DETAIL NUMBER —SHEET WHERE DETAIL IS DRAWN INTERIOR ELEVATION CALLOUT A401 2 —SHEET WHERE DETAIL IS DRAWN -DETAIL NUMBER

### **UL DETAIL C-AJ-1254**

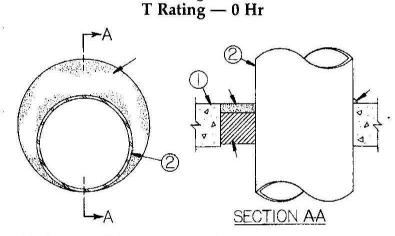
System No. C-AJ-1254 F Rating — 2 Hr



Floor or Wall Assembly — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 9 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Steel Pipie** — Nom 8 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. One pipe to be centered within the firestop system. A nom annular space of 3/16 in. is required within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly. 3. Fill, Void or Cavity Material\* — Caulk — Caulk fill material to be forced within the annulus to the max extent possible, flush with top surface of floor or with both surfaces of wall. **RECTORSEAL** —Biotherm 100

\*Bearing the UL Classification Mark System No. C-AI-1255 F Rating — 2 Hr



- Floor or Wall Assembly Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor or min 5 in. thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks\*. Floor may also be constructed of any min 6 in. thick UL Classified hollow-core Precast Concrete Units\*. Diam of circular through opening to be min 3/8 in. to max 3-1/4 in. larger than diam of steel pipe or conduit (Item 2). Max diam of opening in hollow-core precast concrete unit floor is 7
- See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of manufacturers. **Through Penetrants** — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 3-1/4 in. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used: A. Steel Pipe — Nom 10 in. diam (or smaller) Schedule 10 (or
  - heavier) steel pipe.

    B. **Conduit** Nom 6 in. diam (or smaller) steel electrical metallic tubing or steel conduit.
- **Firestop System** The firestop system shall consist of the following: A. Packing Material — Min 3-1/2 in. thickness of min 4.4 pcf mineral wool batt insulation or ceramic (alumina silica) fiber blanket firmly packed into opening as a permanent form. Packing material to be recessed from top surface of solid concrete floor, or from both surfaces of wall or hollow- core floor as required to accommodate the required thickness of fill material.
- B. Fill, Void or Cavity Material\* Caulk Min 3/4 in. thickness of fill material applied within the annulus, flush with top surface of solid concrete floor, or with both surfaces of wall or hollowcore floor. At the point contact location between pipe and concrete, a min 1/2 in. diam bead of caulk shall be applied at the concrete/pipe, conduit or tubing interface on the top surface of solid concrete floor or on both surfaces of wall or hollow-core

# **MATERIAL LEGEND** EARTH GRAVEL CONCRETE MORTAR, STUCCO CEMENT PLASTER CONCRETE MASONRY STEEL INSULATION RIGID INSULATION BATT $( \ \ ) \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \ \ ) \$ BRICK WOOD (ROUGH) WOOD FINISH

### **GENERAL PROJECT NOTES**

- A. THE CONTRACTOR SHALL BE PREPARED TO STOP ANY WORK AND CLEAR UP THE WORK AREA IF SO ASKED IN MEDICAL SITUATIONS REQUIRING SUCH ACTION.
- THE CONTRACTOR SHALL NOT ORDER OR INSTALL ANY MATERIALS OR EQUIPMENT UNTIL SUBMITTALS FOR SUCH HAVE BEEN APPROVED.
- ALL TOOLS AND MATERIALS USED IN THIS PROJECT SHALL BE PROPERLY SECURED AT ALL TIMES BY THE CONTRACTOR TO REDUCE POSSIBILITY OF ANY OF THESE TOOLS BEING A HAZARD TO PATIENTS, VISITORS, OR EMPLOYEES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ACQUIRING I.D. BADGES FOR EACH MEMBER OF HIS WORK FORCE. VALID FORMS OF I.D. ARE REQUIRED TO RECEIVE BADGES. COORDINATE WITH COR.
- FOR TRAINING EACH MEMBER OF HIS WORK FORCE ON VA POLICIES FOR ON-SITE WORK BEFORE ANY MEMBER WILL BE ALLOWED TO PERFORM WORK ON VA PREMISES.

THE CONTRACTOR, AT HIS EXPENSE, WILL BE RESPONSIBLE

- ABSOLUTELY NO VA TOOLS, MATERIALS, OR EQUIPMENT WILL BE LOANED OR GIVEN BY THE VA TO ANY MEMBER OF THE CONTRACTOR'S WORK FORCE AT ANY TIME.
- ANY SMOKE DETECTORS HAVING ANY POTENTIAL FOR EXPOSURE TO CONSTRUCTION SMOKE, DUST, AND DEBRIS SHALL BE SUITABLY PROTECTED TO PREVENT ACCIDENTAL ALARM. ALL SUCH ACTION MUST BE FIRST COORDINATED AND CLEARED WITH COR AND THE VA SAFETY OFFICER. ALL FIRE ALARM DEVICES SHALL BE ACTIVE WHENEVER CONTRACTOR'S FORCES ARE NOT PRESENT IN WORK AREA.
- THE CONTRACTOR MUST PROVIDE A WRITTEN FIRE SAFETY CHECKLIST AT THE END OF EVERY WORK DAY TO THE COTR CERTIFYING THAT ALL WORK AREAS HAVE BEEN SURVEYED AND FOUND TO BE SECURE, SAFE, AND FREE OF ANY FLAMMABLE LIQUIDS.
- CONTRACTING OFFICER.

CONTRACTOR SHALL COORDINATE ONLY WITH THE COR AND

- SEE SPECIFICATION SECTION 01 00 00 FOR INTERIM LIFE SAFETY MEASURES.
- CONTRACTOR SHALL FIELD VERIFY DIMENSIONS & ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. EXISTING CONDITIONS ARE BASED ON GOVERNMENT FURNISHED EXISTING DRAWINGS AND LIMITED FIELD INVESTIGATION. TIMELY NOTIFY COR OF ANY DISCREPANCIES.
- ALL FINISH COLORS TO BE SELECTED BY COR WHERE NOT OTHERWISE INDICATED.
- M. SEAL ALL PLATES, COVERS, DEVICES, AND GENERAL WALL AND CEILING PENETRATIONS IN ALL NEW SPACES, TYPICAL.
- PROVIDE MINIMUM (1) 16" x 16" ACCESS PANELS IN HARD CEILINGS WHERE DUCTS AND DAMPERS OR OTHER PIPES REQUIRE ACCESS. COORDINATE EXACT LOCATION W/COR. PROVIDE ADDITIONAL ACCESS PANELS IN CHASES AT EACH FLOOR TO ACCESS DUCTS AND DAMPERS.
- O. OPEN EXISTING DRYWALL AS NECESSARY TO INSTALL NEW DUCTS, PLUMBING AND ELECTRICAL DEVICES. RECONSTRUCT WALL AND FINISH TO MATCH EXISTING. ADD ACCESS PANELS WHERE INDICATED.
- ALL REQUIRED WORK IN OCCUPIED SPACE IS TO BE COORDINATED WITH THE COR AND WORK MAY NEED TO BE PERFORMED AFTER HOURS OR ON WEEKENDS. ALL WORK IN OCCUPIED SPACES WILL BE SCHEDULED AT THE CONVENIENCE OF THE HOSPITAL.

### **ARCHITECTURAL GENERAL NOTES**

DIMENSIONS, UNLESS OTHERWISE INDICATED, ARE TO: FACE OF EXISTING WALL SURFACE FACE OF NEW MASONRY FACE OF NEW WALL STUDS TOP OF SLAB TOP OF MASONRY ALIGN NEW WALLS WITH EXISTING WHERE NOT

OTHERWISE INDICATED.

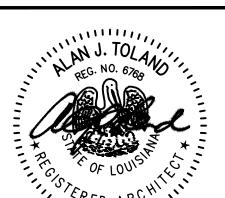
- COORDINATE WITH ELECTRICAL, HVAC, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS. COORDINATE DUCT, CONDUIT, AND PIPE OPENINGS IN SLABS, ROOF, AND WALLS. COORDINATE DUCT, CONDUIT, AND PIPE ROUTING ABOVE CEILINGS. WHERE NEW HOLES IN EXISTING WALLS AND SLABS ARE CREATED FOR CONDUIT, DUCT, OR PIPE PENETRATIONS COORDINATE SIZE AND LOCATION OF SUCH WORK WITH INSTALLERS OF SUCH CONDUIT, PIPE, DUCT, AND EQUIPMENT. PATCH HOLES CAUSED BY THE REMOVAL OF EQUIPMENT, PIPING, CONDUIT, DUCT, GRILLS, ETC. WITH MATERIALS MATCHING EXISTING SLAB OR WALL IN STRUCTURE, MATERIAL, THICKNESS, ALIGNMENT, GRADES, AND QUALITY.
- COORDINATE AND PROVIDE SOLID FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL HOOKS, BRACKETS, GRAB BARS, COMPUTER MONITORS, TELEVISION WALL BRACKETS, HANDRAILS, GUARDRAILS, WOOD MOLDINGS, DISPLAYS, ACCESSORIES ETC., BETWEEN STUDS. COORDINATE LOCATIONS WITH COR FOR GOVERNMENT FURNISHED EQUIPMENT.
- 'PROVIDE' IS DEFINED AS PROVIDING MATERIALS, DELIVERY, STORAGE, HANDLING, INSTALLATION, ADJUSTMENT, AND CLEANING FOR THE ITEM INDICATED.
- SEAL PIPE PENETRATIONS THROUGH SLABS, MASONRY, SMOKE RATED PARTITIONS AND FIRE—RATED PARTITIONS WITH THE APPROPRIATE FIRESTOP TO MAINTAIN THE RATING OF THE WALL OR SLAB. SUBMIT CUT SHEETS AND SPECIFICATIONS TO THE COTR FOR APPROVAL PRIOR TO INSTALLATION. PROVIDE UL LISTED ASSEMBLIES. SEE DETAILS THIS SHEET.
- COORDINATE CONTRACTOR DUMPSTER LOCATION WITH GOVERNMENT.
- SKIM COAT ALL DAMAGED EXISTING WALL SURFACES THAT REQUIRE PAINTING. REPAINT TO MATCH EXISTING.
- H. COORDINATE DEMOLITION AND NEW WORK AMONG
- REMOVED MATERIALS WHICH ARE INDICATED TO BE TURNED OVER TO THE COR SHALL BE DELIVERED BY THE CONTRACTOR TO A PLACE INDICATED BY THE COR IF APPLICABLE.
- REMOVE COMPLETELY ALL MATERIALS AS INDICATED ON THE DRAWINGS AND AS REQUIRED FOR NEW CONSTRUCTION. EDGES AND FACES OF DEMOLISHED AREAS SHALL BE REPAIRED TO ACCEPT NEAT INSTALLATION OF NEW CONSTRUCTION OR FINISHES. WHERE EXISTING MATERIALS ARE TO BE REPLACED (WALLS, INSULATION, FLOORING, ETC.) EXISTING MATERIALS, ADHESIVES, ETC. SHALL BE REMOVED AND EXPOSED SURFACES SHALL BE PREPARED AS RECOMMENDED BY MANUFACTURER PRIOR TO INSTALLATION OF NEW MATERIALS.
- PREVENT DAMAGE TO MATERIALS AND FINISHES TO REMAIN (PAINT, WALLCOVERING, BASE, CEILINGS, CHAIR RAILS, ETC.). REPAIR DAMAGES FROM CONSTRUCTION ACTIVITIES TO EXISTING ITEMS TO REMAIN, AT NO ADDITIONAL COST TO THE GOVERNMENT. WHERE SUCH EXPOSED MATERIALS OR FINISHES TO REMAIN ARE DAMAGED OR LEFT WITH HOLES BY CONSTRUCTION ACTIVITIES, REPAIR, REPLACE, OR INFILL SUCH MATERIALS AND FINISHES TO MATCH EXISTING IN MATERIAL, SIZE, ALIGNMENT, FINISH, COLOR, TEXTURE, AND QUALITY. EXTEND NEW FINISHES TO LOGICAL EDGES (CHANGE OF MATERIAL OR CORNERS). ALL SHALL BE REPLACED OR REPAIRED TO MATCH OR EXCEED THE QUALITY THAT EXISTED BEFORE DAMAGE.

## **ARCHITECTURAL ABBREVIATIONS**

	AUD COMPITIONING
AC	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
	BATT INSULATION
BATT	
BO	BOTTOM OF
CBB	CEMENTITIOUS BACKER BOARD
CCW	CEMENTITIOUS CRYSTALLINE WATERPROOFING
CFMF	COLD—FORMED METAL FRAMING
CG	CORNER GUARD
	CENTERLINE
Q. 4T	
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CASED OPENING
COMM	COMMUNICATION
CONC	CONCRETE
	CONCRETE WITH SEALER
CONC-S	
CONT	CONTINUOUS
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CP	CARPET
DIA	DIAMETER
EDF	
	ELECTRIC DRINKING FOUNTAIN
ELEC	ELECTRICAL
EQ	EQUAL
ES	EXPOSED STRUCTURE
ETC	ET CETERA
EXIST	EXISTING
EXP	EXPOSED
FAC FIN	FACTORY FINISH
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FF	FINISHED FLOOR
FIN	FINISH
FLR	FLOOR
FO	FACE OF
FV	FIELD VERIFY
' '	(PRIOR TO ORDERING OR CUTTING)
FWC	
GA	FABRIC WALLCOVERING
	GAGE
GRA	GRANITE
GYP BD/GWE	GYPSUM (WALL) BOARD
HC	HANDICAPPED
НМ	HOLLOW METAL
HPDL	HIGH-PRESSURE DECORATIVE LAMINATE
HVAC	HEATING VENTILATION AND AIR—CONDITIONING
MATL	MATERIAL
MAX	
	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
MTL	METAL
NIC	NOT IN CONTRACT
NTS	
	NOT TO SCALE
OC	ON CENTER
OH	OPPOSITE HAND
PB	PORCELAIN BASE
PLS	PLASTER
PL	PLASTIC LAMINATE
PT	PORCELAIN TILE
PR	PAIR
P	PAINT
•	
QT	QUARRY TILE
RB	RESILIENT BASE
REF .	REFRIGERATOR
REQ'D	REQUIRED
RES	RESINOUS FLOORING
RES-W	RESINOUS EPOXY WALL — CEILING
RO	ROUGH OPENING
RF	RUBBER FLOORING
RPH	_ · · · · · · · · · · · · ·
I I\Γ∏	RECESSED PAPER HOLDER
	CEALED THOLED HIS OLAZED COATIVO
SC	SEALED HIGH BUILD GLAZED COATING
SC	(SPECIAL COATING)
SC SD	
SC	(SPECIAL COATING)
SC SD	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD
SC SD SCW SIM	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR
SC SD SCW SIM SND	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER
SC SD SCW SIM SND SP	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED
SC SD SCW SIM SND SP SS	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED STAINLESS STEEL/SOLID SURFACE
SC SD SCW SIM SND SP SS ST	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED STAINLESS STEEL/SOLID SURFACE STEEL
SC SD SCW SIM SND SP SS ST SUBS	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED STAINLESS STEEL/SOLID SURFACE
SC SD SCW SIM SND SP SS ST SUBS SV	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED STAINLESS STEEL/SOLID SURFACE STEEL
SC SD SCW SIM SND SP SS ST SUBS SV SVT	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED STAINLESS STEEL/SOLID SURFACE STEEL SUBSTRATE
SC SD SCW SIM SND SP SS ST SUBS SV	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED STAINLESS STEEL/SOLID SURFACE STEEL SUBSTRATE SHEET VINYL SOLID VINYL TILE
SC SD SCW SIM SND SP SS ST SUBS SV SVT	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED STAINLESS STEEL/SOLID SURFACE STEEL SUBSTRATE SHEET VINYL SOLID VINYL TILE TACK BOARD
SC SD SCW SIM SND SP SS ST SUBS SV SVT TB	(SPECIAL COATING) SOAP DISPENSER SOLID CORE WOOD SIMILAR SANITARY NAPKIN DISPENSER SPECIAL FACED STAINLESS STEEL/SOLID SURFACE STEEL SUBSTRATE SHEET VINYL SOLID VINYL TILE

_					
		EQUIPMENT LEGEND			
	FEC	FIRE EXTINGUISHER CABINET			
	ADO	AUTOMATIC DOOR OPERATOR			
	CR	CARD READER			
	DS	PUSH PLATE DOOR SWITCH			
	НО	DOOR HOLD OPEN			

**AL SUBMITTAL** 





Atlanta, GA 30318 404.214.9774

					FINA
rawing Title: STANDARD ABBREVIATIONS, DETAILS, LEGENDS AND NOTES		EXPAND RADIOLOGY AND SPS			
pproved: Project Director	Location: SHREV	SHREVEPORT, LA			
	Date: 04-17-2015	Checked: XX	Drawn: XX	G002	7 (160

Dwg. 03 of 160 **VA** 

**TYPICAL** 

UNO

WSF

TOILET PAPER

WALL COVERING

WATER RESISTANT

UNLESS NOTED OTHERWISE

WELDED SEAM SHEET FLOORING

(HEAT WELDED WITH ROD)

VINYL COMPOSITION TILE

VINYL WALL COVERING

Drawing File: T:\Projects Plotted by: hsneed Plotted Date: May 20, 2

OFFICE OF

CONSTRUCTION

AND FACILITIES

**MANAGEMENT**